



NAVSEA 04
Record Type 6 Presentation
CDM/ISEA Conference

July 13, 2004
Milton Myers

Version 1.0

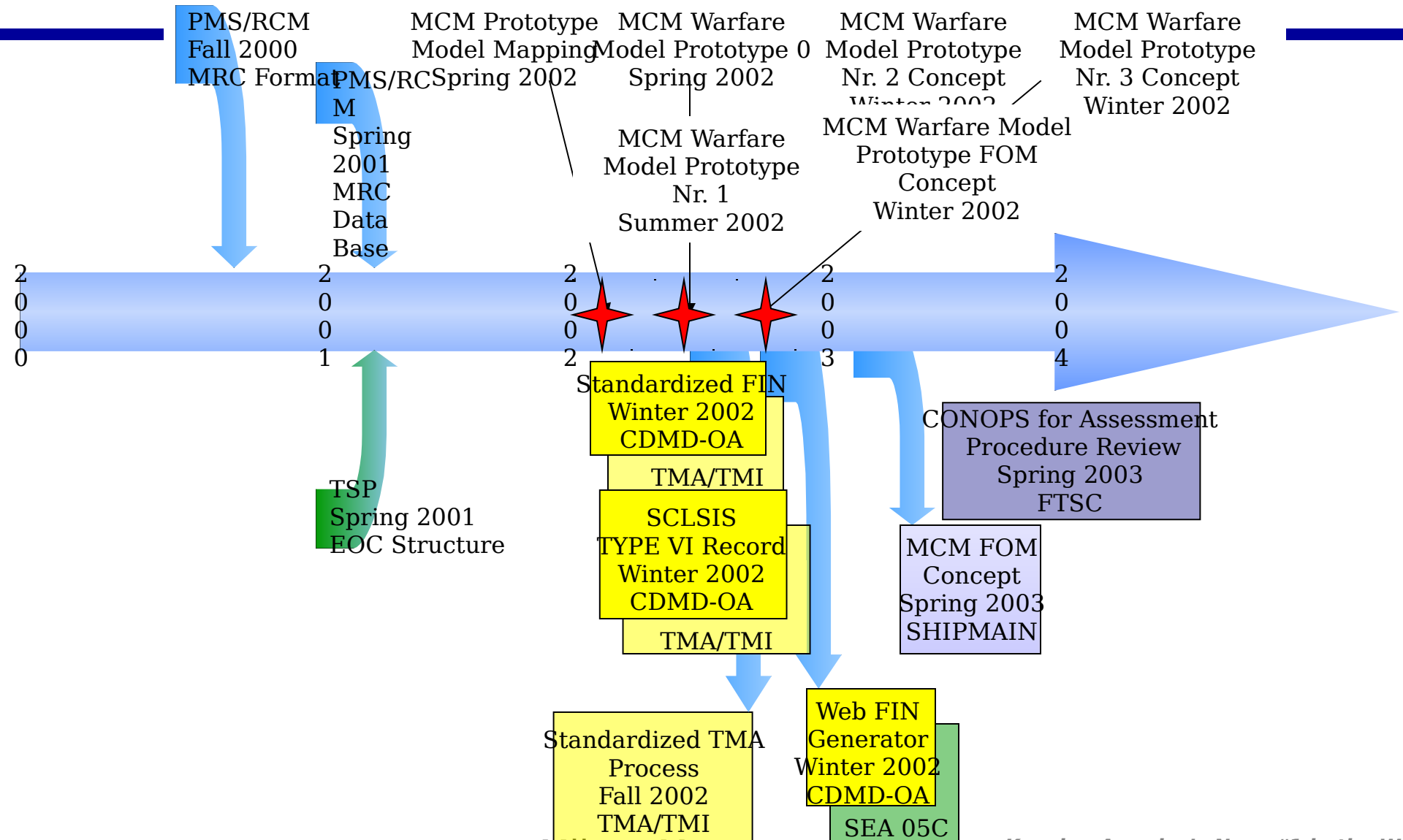
World



Requirement

- Total Asset Visibility with Performance Metrics is Navy ERP
 - The Navy tool to field, SAP software.
 - The required Master Data, Record Type VI

SMCM and SHIPMAIN Timeline



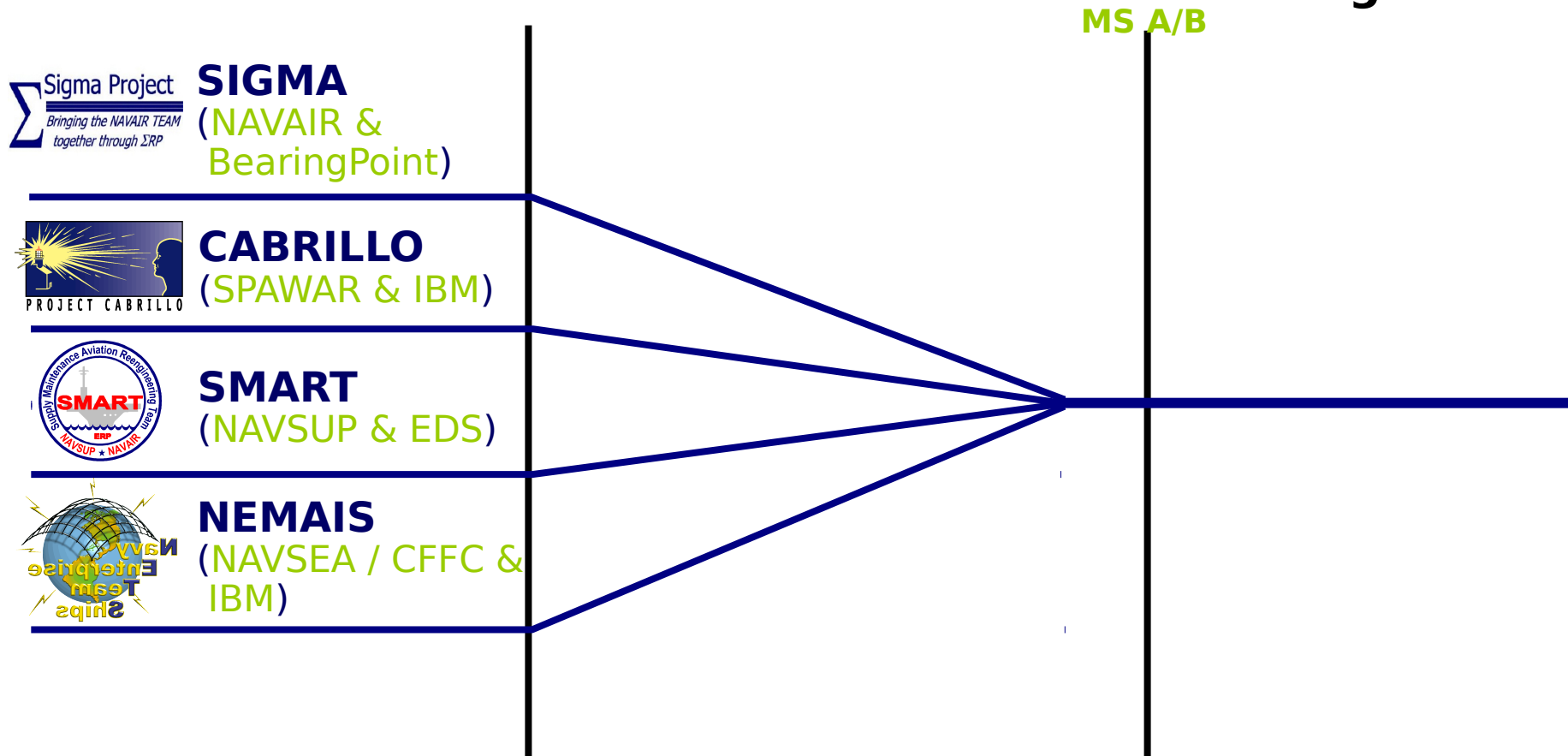
Transition From Pilots To Navy ERP

Program

Pilot

**Pilot
Interoperability
Phase**

**Navy ERP
(Converged)
Program**



Authority



THE ASSISTANT SECRETARY OF THE NAVY
(Research, Development and Acquisition)
WASHINGTON, D.C. 20350-1000

ACTION MEMO

FOR: SECRETARY OF THE NAVY

FROM: Assistant Secretary of the Navy (RD&A) *[Signature]* APR 20 2004

SUBJECT: Establishment of Direct Reporting Program Manager (DRPM) for Navy Enterprise Resource Planning (ERP)

- Request approval of the Facts and Justification (F&J) document (TAB A) to establish a Direct Reporting Program Manager (DRPM) for Navy-wide implementation of the Enterprise Resource Planning (ERP) Program.
- The new DRPM will serve as the champion and catalyst to implement business process change on a Navy-wide basis. The DRPM is the single point of contact for all Navy ERP matters including budgeting, scheduling, managing, and adjudicating business process change issues across the Navy commands.
- The Navy ERP Program is designed to: (a) standardize Navy business processes for acquisition, maintenance, financial and logistics operations through the use of a common technology platform across commands; (b) optimize the Navy enterprise to respond rapidly and efficiently to Fleet needs; and (c) reduce Navy infrastructure costs through process alignment and technology insertion. Leading change in business processes of this magnitude across multiple Navy commands requires top-level Navy management presence. The DRPM will serve as the Navy's change management agent, ensuring a unified and coherent multi-Command structure for technology insertion and process change.
- Military and civilian billets required are identified in the attached F&J. Upon approval, SECNAV Instruction 5450.4E will be revised and reissued.

RECOMMENDATION: Sign the action memo approving the F&J for the DRPM ERP.

COORDINATION: N-4 and OASN(FM&C) (TAB B).

SECNAV DECISION: May 5, 2004

[Signature]
Approve
Disapprove

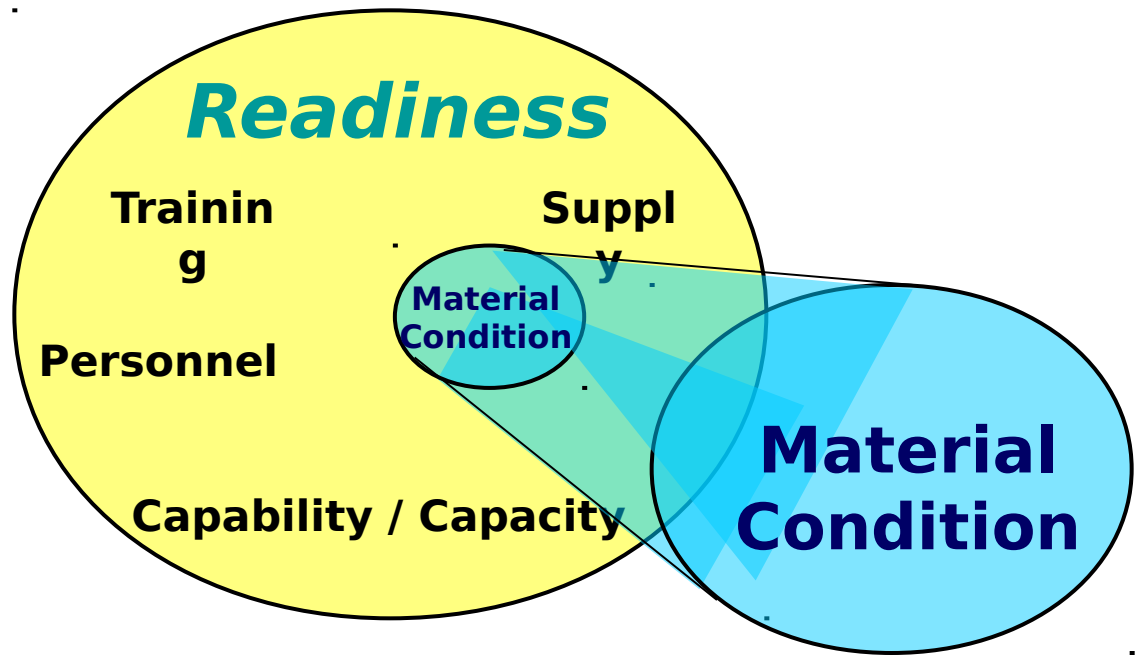
Attachments:
As Stated

Prepared by: Ron Rosenthal, ERP Program Office, 703-604-6022, ext 2255

Performance Metrics

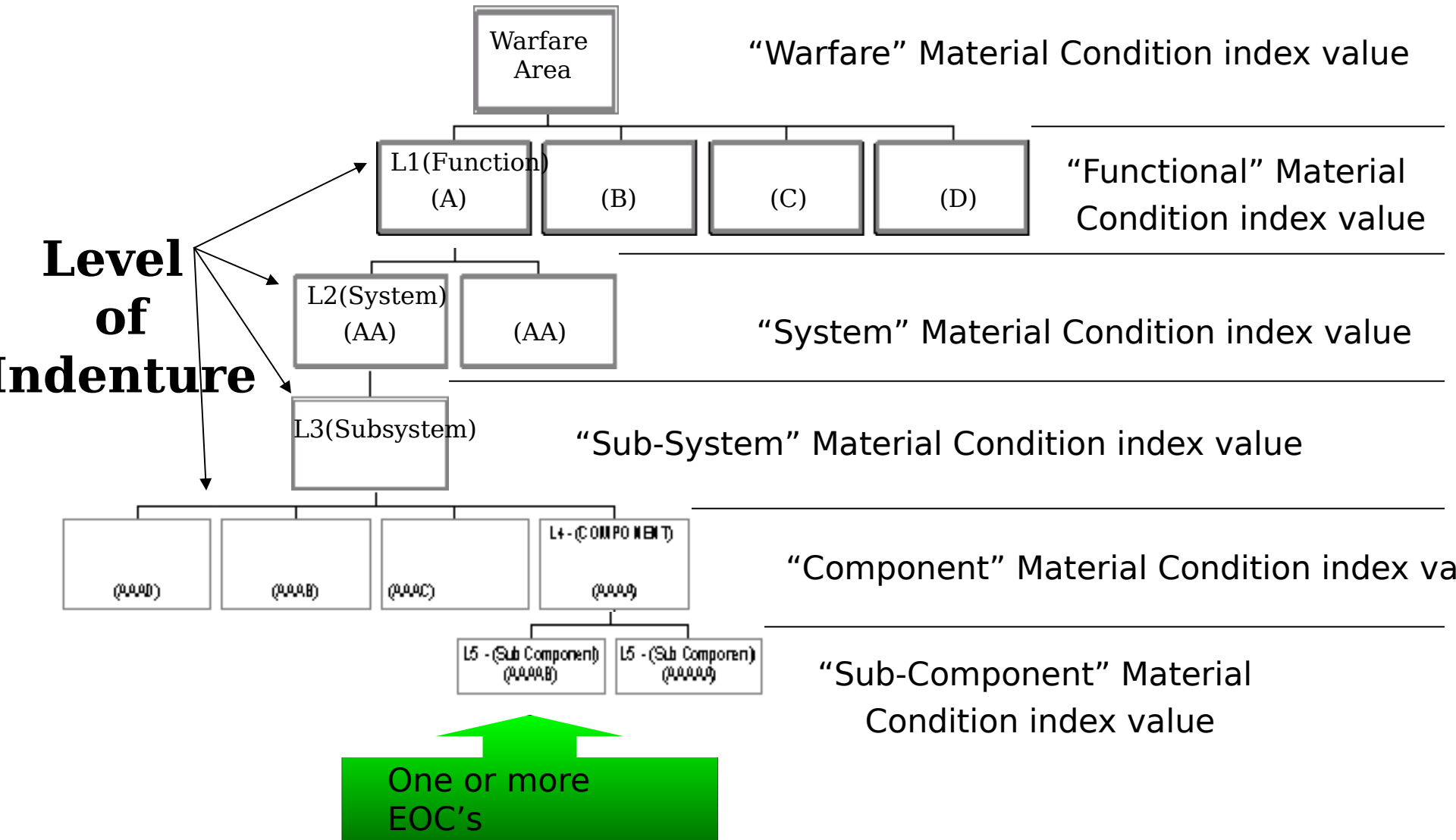
Material Condition

Material condition is an objective measure of the parameters of a ship system compared to a standard

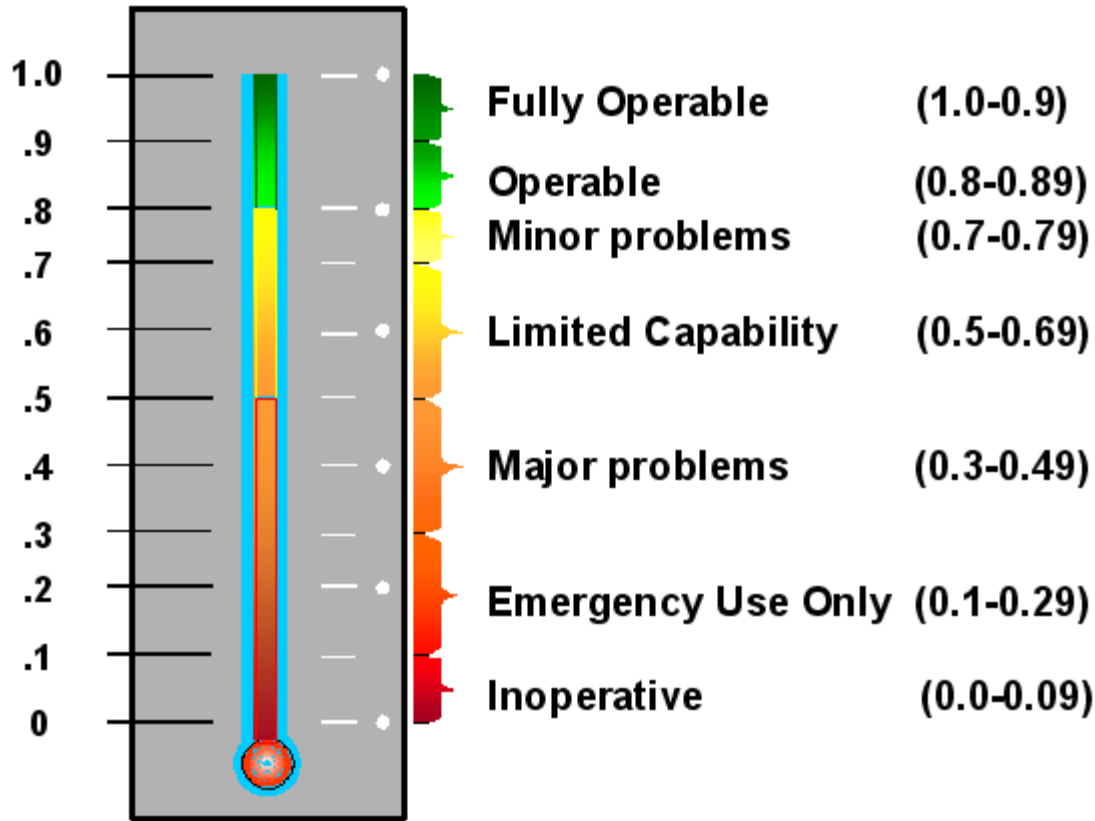


Readiness - The capability to provide well maintained, adequately supplied platforms with sufficient resources to carry out required Naval missions

Convention for Material Condition Metrics



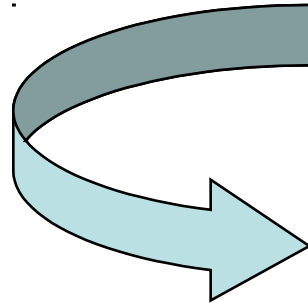
Equipment Operational Capability



EOC = A dimensionless numeric value. EOC is determined by a measured objective evidence of a ship component or system compared to a standard such as a design criteria or normal operating parameters. Measured objective evidence is obtained using Scripted Standardized Assessment Procedure.

War Fighting Reporting

- These **CASREPs** open on 06/30/02:



- Impact these **Mission Areas**:

- Leading to these metrics:

L2	L3	L4	L5	LLI	CAS_DATE
DC	DC EQUIP	CLOSURES	ZONE 4	ZONE 4	03/08/02
PROP	MP 1	1 PROP-SHAFT		SEAL	05/01/02
MINE SWEEPING	ENGAGE	AN/SLQ-38		MECH SWEEP	05/16/02
MINE HUNTING	ENGAGE	AN/SLQ-48		AN/SLQ-48	06/27/02
AUX	REVERSE OSMOSIS			REVERSE OSMOSIS	06/30/02

L1	L2	L3	L4	L5	LLI	CAS_DATE
MOB	DC	DC EQUIP	CLOSURES	ZONE 4	ZONE 4	03/08/02
ASU	PROP	MP 1	1 PROP-SHAFT		SEAL	05/01/02
CCC	PROP	MP 1	1 PROP-SHAFT		SEAL	05/01/02
FSO	PROP	MP 1	1 PROP-SHAFT		SEAL	05/01/02
INT	PROP	MP 1	1 PROP-SHAFT		SEAL	05/01/02
MIW	PROP	MP 1	1 PROP-SHAFT		SEAL	05/01/02
MOB	PROP	MP 1	1 PROP-SHAFT		SEAL	05/01/02
NCO	PROP	MP 1	1 PROP-SHAFT		SEAL	05/01/02
MIW	MINE SWEEPING	ENGAGE	AN/SLQ-38		MECH SWEEP	05/16/02
CCC	MINE HUNTING	ENGAGE	AN/SLQ-48		AN/SLQ-48	06/27/02
MIW	MINE HUNTING	ENGAGE	AN/SLQ-48		AN/SLQ-48	06/27/02
LOG	AUX	REVERSE OSMOSIS			REVERSE OSMOSIS	06/30/02
MOB	AUX	REVERSE OSMOSIS			REVERSE OSMOSIS	06/30/02



ASU	C2W	CCC	FSO	INT	LOG	MIW	MOB	MOS
0.00	1.00	0.75	0.00	0.00	0.25	0.00	1.00	0.00

MATERIAL READINESS ASSESSMENT

Naval Surface Warfare Center
Corona Division

MCM MISSION AREA MODEL WEBSITE[Purpose](#)[FAQ](#)[The Model](#)

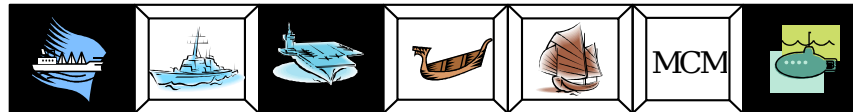
** Column Headings link to Ship Level Data, Cells link to Warfare Area Data*

	MCM 1	MCM 2	MCM 3	MCM 4	MCM 5	MCM 6	MCM 7	MCM 8	MCM 9	MCM 10	MCM 11	MCM 12	MCM 13	MCM 14
ASU	0.62	0.62	0.91	0.95	1.00	0.83	0.92	0.86	0.62	0.75	0.92	0.72	0.92	0.86
C2W	0.92	0.93	0.92	1.00	1.00	0.88	0.98	0.99	1.00	0.92	0.98	0.99	0.98	0.97
CCC	0.97	0.96	0.97	0.84	0.95	0.94	0.85	0.98	0.84	0.97	0.99	0.82	0.59	0.84
FSO	0.45	0.54	0.91	1.00	0.96	0.85	0.92	0.86	0.61	0.75	0.91	0.83	0.92	0.84
INT	0.59	0.59	0.81	0.90	1.00	0.63	0.88	0.86	0.61	0.75	0.92	0.86	0.92	0.84
LOG	0.75	0.73	0.71	1.00	1.00	0.64	0.93	0.21	1.00	0.75	0.23	0.83	0.71	0.21
MIW	0.64	0.00	0.82	0.00	0.72	0.86	0.87	0.77	0.57	0.00	0.00	0.63	0.00	0.00
MOB	0.61	0.51	0.82	0.92	0.86	0.76	0.92	0.54	0.55	0.57	0.59	0.85	0.82	0.54
MOS	0.75	0.76	0.92	1.00	1.00	0.83	0.92	0.83	1.00	0.75	0.92	0.83	0.92	0.81
NCO	0.61	0.59	0.91	1.00	0.99	0.86	0.93	0.86	0.62	0.75	0.91	0.82	0.93	0.85

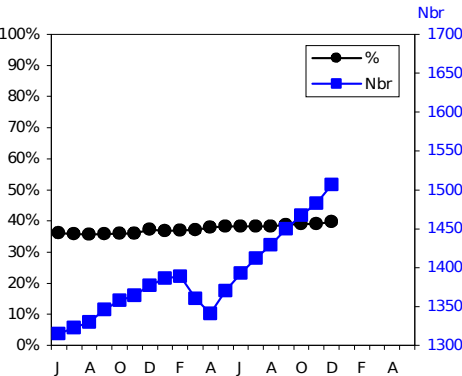


PIT Bridge Plot with SMCM and MFOM (Notional)

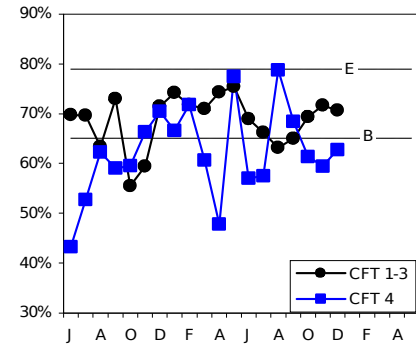
SHIP MAIN PIT Bridge Plot FEBRUARY 2004



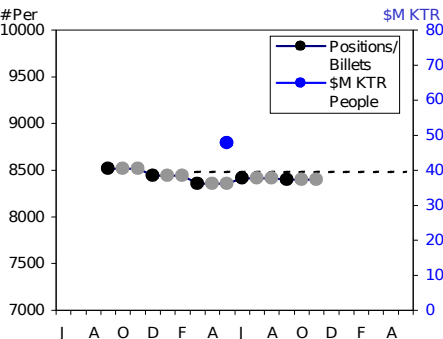
	MCM 1	MCM 2	MCM 3	MCM 4	MCM 5	MCM 6	MCM 7	MCM 8	MCM 9	MCM 10	MCM 11	MCM 12	MCM 13	MCM 14
ASU	0.67	0.67	0.91	0.55	1.00	0.83	0.97	0.86	0.67	0.75	0.97	0.72	0.97	0.86
C2W	0.92	0.93	0.92	1.00	1.00	0.88	0.99	0.99	1.00	0.92	0.98	0.99	0.98	0.97
CCC	0.97	0.96	0.97	0.84	0.95	0.91	0.85	0.98	0.81	0.97	0.99	0.82	0.99	0.84
ESD	0.45	0.54	0.91	1.00	0.96	0.85	0.97	0.86	0.61	0.75	0.91	0.83	0.97	0.84
INZ	0.59	0.59	0.81	0.90	1.00	0.63	0.88	0.86	0.61	0.75	0.97	0.86	0.97	0.84
LOG	0.75	0.73	0.71	1.00	1.00	0.64	0.93	0.21	1.00	0.75	0.23	0.83	0.71	0.21
MIW	0.64	0.00	0.92	0.00	0.72	0.86	0.87	0.77	0.57	0.00	0.00	0.63	0.00	0.00
MOB	0.61	0.51	0.82	0.97	0.86	0.76	0.97	0.54	0.55	0.57	0.59	0.85	0.82	0.54
MOS	0.75	0.76	0.92	1.00	1.00	0.83	0.92	0.83	1.00	0.75	0.92	0.83	0.92	0.81
NCD	0.61	0.59	0.91	1.00	0.99	0.86	0.93	0.86	0.67	0.75	0.91	0.82	0.93	0.85



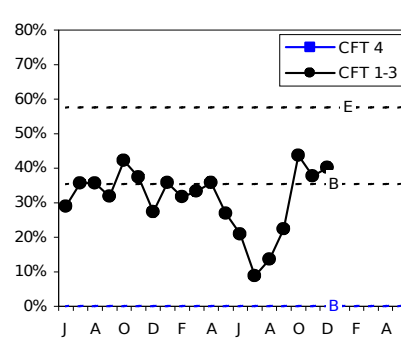
1. Alts Not Install. w 720 Days



2. OTD Roll Up

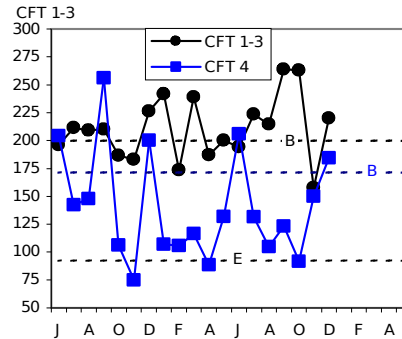


3. Resources

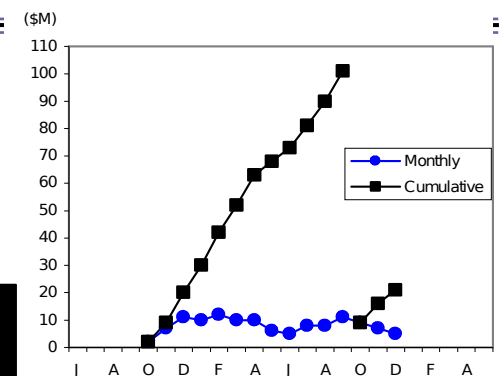


4. FPY Roll Up

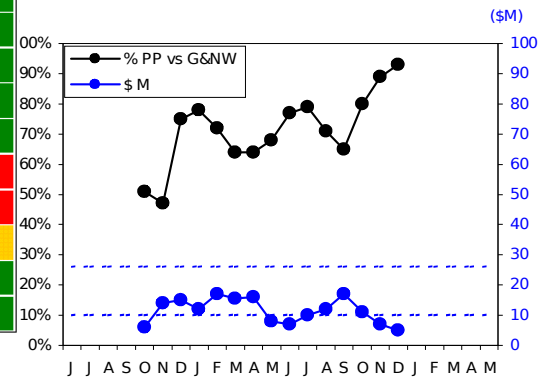
9. Mission Area Index Value



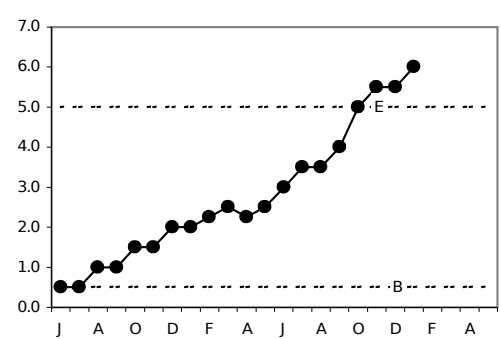
5. CT Roll Up (Days)



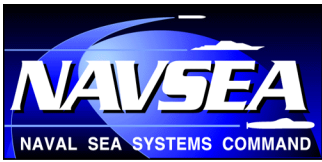
8. Premiums Paid (\$M)



7. Total Growth & New Work



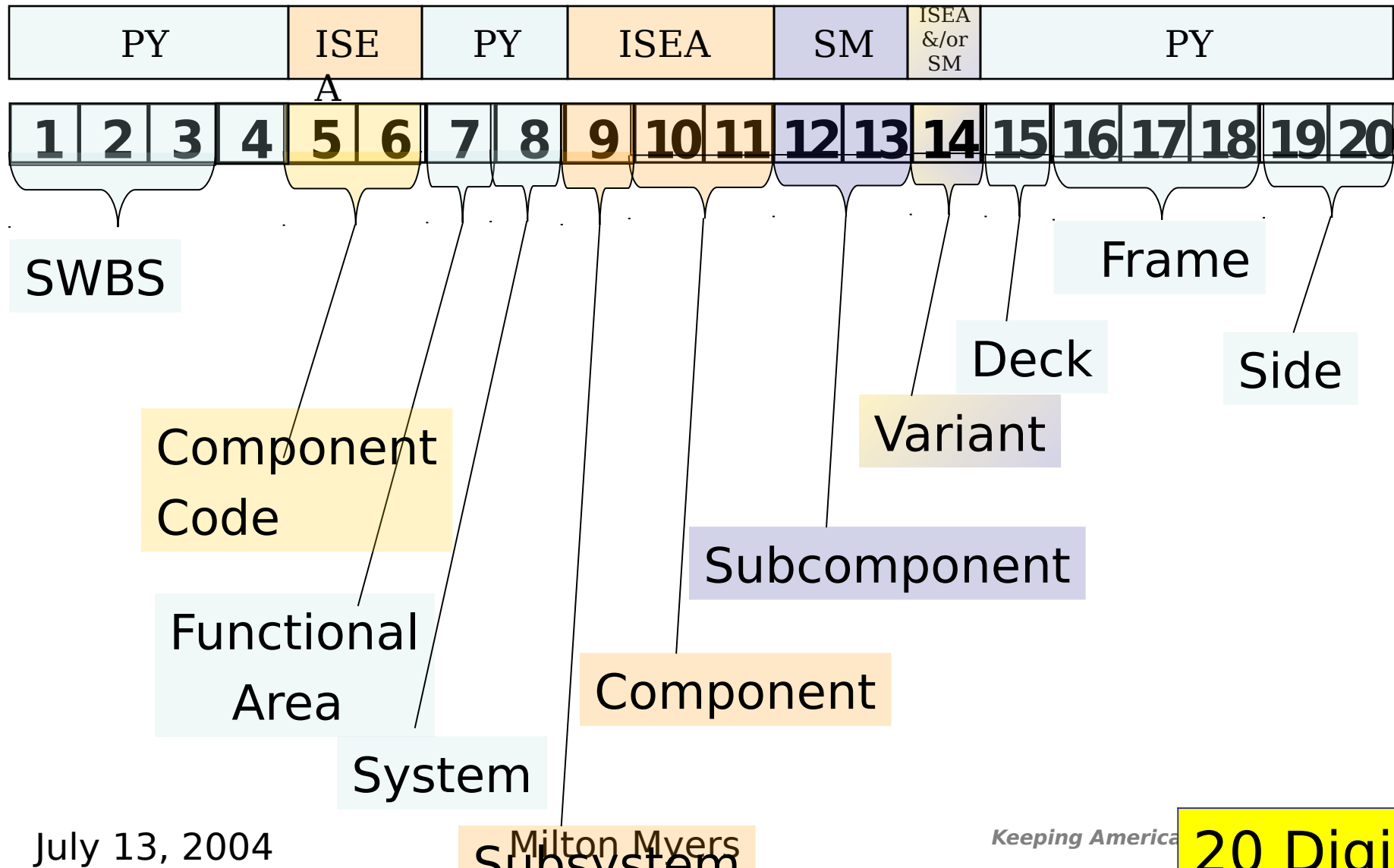
6. Median mFOM per K\$



Prototype Findings

- Need a Hierarchal Structure for all Ships
 - Generic FIN
 - Structure of FIN

Functional Index Number *FIN*



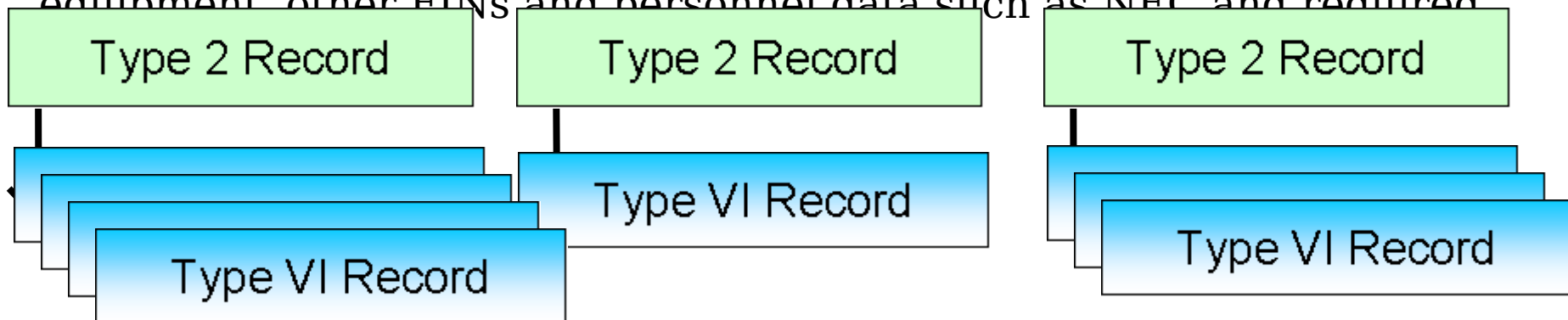
CDMD-OA Type VI Record

Section 1 (Record Identifier): location of the FIN, Weighting Factors and Criticalities.

Section 2 (Material Condition Criteria): location of the standards to measure against (Parameters, their values and corresponding EOC values) and acceptable limits, repair trigger set points are entered.

Section 3 (Material Condition History): location of Material Condition Data, EOC values time stamped, related maintenance (availability, cost, schedule, etc.) data.

Section 4 (Links): location to set up cross referencing to Ship class/hull numbers, assessment procedures, PMS, Tech. Manuals, EOSS, associated equipment, other FINs and personnel data such as NEC and required

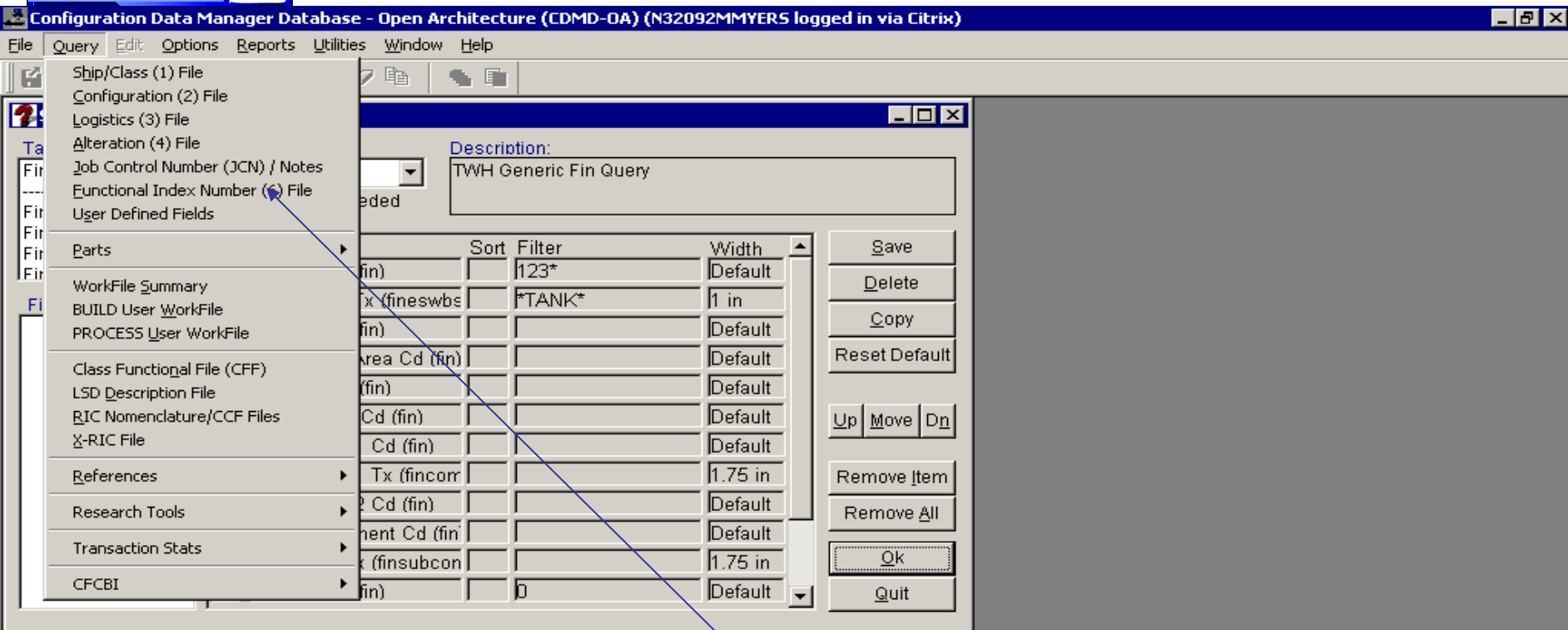


End-State

- Combination of Prototype with Navy End-State Vision
 - Navy ERP (Go-Live April 2006)
 - Legacy Master Data Conversions will create:
 - Functional Locations (CDMD-OA)
 - Equipment Masters (CDMD-OA)
 - Material Masters (Weapons System File)
 - Allows for performance metrics of a platform, resources and business process



CDMD-OA Type 6 Query



CDMD-OA: Type 6 Query

CDMD-OA Type 2

Configuration Data Manager Database - Open Architecture (CDMD-OA) (N32092MMYERS logged in via Citrix) - [Selected Configuration Records (2 of 20 Recs.)]

File Query Edit Options Reports Utilities Window Help

Rin (cfg)	Ric (cfg)	Location (cfg)	Serial Number (cfg)	Efd (cff)	Esd (cff)	Ric Nomenclature (ric_nom)	Eswbs (cfg)
2CRUE	882057057	7-136-0-E		HPAC COOLING WATER ROOT VALVE	ASWLL-MMR2	VALVE GLB 2.00IPS 400PSI SBU BRZ	52411
05DAT	XCOMPARTMNT	01-185-4-E	NONE	HPAC MACHINERY ROOM #12	COMPARTMEN	FOR MAINT/TESTING AT THE COMPART/LOCA	13011
2AS8L	06A000005	7-110-0-E	86865	HPAC NO1 COMPRESSOR UNIT	HPAC-NO1	COMPRESSOR UNIT MODEL WP5000	55151
D5542	17A010013	7-110-0-E	582184	HPAC NO1 COMPRESSOR MOTOR	HPAC-NO1	MOTOR AC 440 V HP 1780 RPM	55151
D5395	50A010061	7-110-0-E	15422	HPAC NO1 COMPRESSOR MOTOR CONTROLLE	HPAC-NO1	PANEL 085300	55151
02M8R	99A010081	7-110-0-E		HPAC NO1 MISC SUPPORT EQUIPMENT	HPAC-NO1	MISC SUPP EQUIPT FOR HPAC COMP WP5000	55151
D5396	50A010061	7-110-0-E	14551	HPAC NO2 COMPRESSOR MOTOR CONTROLLE	HPAC-NO2	PANEL 085300	55151
2AS8K	06A000005	7-110-0-E	86809	HPAC NO2 COMPRESSOR UNIT	HPAC-NO2	COMPRESSOR UNIT MODEL WP5000	55151
D5543	17A010013	7-110-0-E	582182	HPAC NO2 COMPRESSOR MOTOR	HPAC-NO2	MOTOR AC 440 V HP 1780 RPM	55151
D5397	50A010061	7-136-0-E	HPAC NO3	HPAC NO3 COMPRESSOR MOTOR CONTROLLE	HPAC-NO3	PANEL 085300	55151
D1505	882352878	1-136-0-E	NONE	HPAC NO3 MANUAL CONDENSATE DRAIN MANI	HPAC-NO3	MANIFOLD 6VL 6000PSI BRZ	55151
D5544	17A010013	7-136-0-E	HPAC NO3	HPAC NO3 COMPRESSOR MOTOR	HPAC-NO3	MOTOR AC 440 V HP 1780 RPM	55151
02DJW	06A000005	7-136-0-E	86248	HPAC NO3 COMPRESSOR UNIT	HPAC-NO3	COMPRESSOR UNIT MODEL WP5000	55151
2AMEP	06A000005	7-136-0-E	86808	HPAC NO4 COMPRESSOR UNIT	HPAC-NO4	COMPRESSOR UNIT MODEL WP5000	55151
D5398	50A010061	7-136-0-E	HPAC NO4	HPAC NO4 COMPRESSOR MOTOR CONTROLLE	HPAC-NO4	PANEL 085300	55151
D5545	17A010013	7-136-0-E	KS415033	HPAC NO4 COMPRESSOR MOTOR	HPAC-NO4	MOTOR AC 440 V HP 1780 RPM	55151
025ZK	389060004	1-92-2-E		HPAC NO5 TEMPERATURE MONITOR	HPAC-NO5	INDICATOR TEMP R68290A	55151
025ZG	389060004	1-92-2-E		HPAC NO6 TEMPERATURE MONITOR	HPAC-NO6	INDICATOR TEMP R68290A	55151
025ZU	389060004	1-92-2-E		HPAC NO7 TEMPERATURE MONITOR	HPAC-NO7	INDICATOR TEMP R68290A	55151
0260A	389060004	1-92-2-E	NONE	HPAC NO 8 TEMPERATURE MONITOR	HPAC-NO8	INDICATOR TEMP R68290A	55151

Version 3.4.0

Start | Microsoft Outlook Web Ac... | Microsoft Outlook Web Ac... | Configuration Data Ma... | Microsoft PowerPoint - [R... | 11:28 AM

CDMD-OA: CV 67 Query of High Pressure Air (HPAC)
(Multiple Type 2 Parents)



CDMD-OA (FIN) Button

Configuration Data Manager Database - Open Architecture (CDMD-OA) (N32092MMYERS logged in via Citrix) - [Configuration Display (RT 2) For CV67 USS JOHN F KENN]

File Query Edit Options Reports Utilities Window Help

Action: Rin: Cdm: 2AS8L Ship: Other Rec Chk

Discl: H Install Dt: 0801 Ein: NOT APPLICABLE Hsc: 55151AAAAAXY

Ric: 06A000005 Qty: 1 Cage: 1KWTD Ael Col:

Eic: TFO1000 Location: 7-110-0-E WCRC:

WCRC: EA06 Prid: HPAC NO1 Val Date: 0703 Val W:

DISI: B ISC: G DOVC: JF VSAC: LV RNV: SN: 86865

JCN/Page: SNAP #: Nha Ric: Nha Rin:

P Ric: P SN: Nha:

Configuration Reporting Information

Activity	Initials	Date	SC:	Psdn:	Psdin:	TNC:
N99512	RRB	031015	Lsri:	AFC:	Sei: 1	

Esd: HPAC-NO1 Sac: 0BACA Isea: N65540 Scat: Lssc: AA MEC: V

Efd: HPAC NO1 COMPRESSOR UNIT Cei: H MCC: 2

RicNm: COMPRESSOR UNIT MODEL WP5000 AINAC: SP

Log - 4 Alt - 1 Parts Sos - 0 Udf - 0 Jcn - 0 **Fin - 0** Errs - 0 Quit

CDMD-OA: Single Type 2 Record (1-Parent)
High Pressure Air NO1
Note: the "FIN" Button_